

**FIRE INSPECTOR/INVESTIGATOR  
STUDY GUIDE**

A written examination for the class of **FIRE INSPECTOR/INVESTIGATOR** to be administered in **HAMMOND** on **SEPTEMBER 7, 2016**, will consist of approximately **100** multiple-choice questions. The examination will test your knowledge in the following subject areas:

<b>SUBJECT AREA/KNOWLEDGE</b>	<b>APPROXIMATE % OF EXAM</b>
<b>FIRE INSPECTION PROCEDURES</b>  Knowledge of the processes and procedures necessary to conduct fire inspections.	13.0%
<b>FIRE CODES</b>  Knowledge of fire codes, of the legal authority under which the duties of code enforcement are performed, and of liabilities incurred as a result of the authority.	8.0%
<b>FIRE HAZARDS/HAZARDOUS MATERIALS</b>  Knowledge of the factors which constitute ordinary or special fire hazards, including materials, conditions, or negligence which may contribute to the start of a fire, or increase the extent or severity of a fire; and of hazardous materials storage.	9.0%
<b>FIRE INVESTIGATION</b>  Knowledge of the procedures for conducting a fire investigation and for determining the cause of a fire, including deciding what may be considered unusual at a fire scene; char and burn patterns; factors affecting fire spread; determination of the point of origin and probable cause of a fire; reconstruction of the fire scene; interview and interrogation procedures; law enforcement procedures related to fire investigations; and collection of evidence, including fire scene photography.	21.0%
<b>FIRE CHEMISTRY</b>  Knowledge of the chemistry of fire, including ignition temperatures and properties of flammable and combustible materials, flame and smoke spread, and products of combustion.	9.0%

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
<b>BUILDING CONSTRUCTION</b>  Knowledge of building construction in order to verify conformance to fire safety codes and to identify any possible fire hazards.	5.0%
<b>JUDICIAL &amp; COURTROOM PROCEDURES/COURT TESTIMONY</b>  Knowledge of the judicial system and legal procedures as they related to fire inspection or fire investigation; of general courtroom and trial procedures; and of recommended courtroom demeanor and testimony.	5.0%
<b>FIRE RECORDS &amp; REPORTS</b>  Knowledge of effective records-keeping practices, including preparation, content, control, format, and retention, and of the information gathering process and procedures for completing required reports, including completing necessary sketches and diagrams, in order to document the performance of fire prevention and investigation duties.	9.0%
<b>FIRE PROTECTION AND EXTINGUISHING SYSTEMS</b>  Knowledge of fire extinguishing systems and portable extinguishers, including evaluation of the operational readiness of the systems, proper installation and location of system components and devices, and maintenance of systems.	5.0%
<b>PUBLIC FIRE EDUCATION</b>  Knowledge of the principles of public fire education needed to inform the public about fire safety during the performance of regular fire prevention duties.	7.0%
<b>PUBLIC RELATIONS</b>  Knowledge of accepted public relations practices in order to interact with other agencies and with the public in various situations, including public fire education activities, fire inspection, and fire investigation activities.	9.0%

## REFERENCE LIST

While the entire list of reference material will be useful to you in your preparation for the upcoming examination, the **majority** of test questions are sourced from those references listed under the Primary List.

### PRIMARY REFERENCE MATERIAL

#### INTERNATIONAL FIRE SERVICE TRAINING ASSOCIATION (IFSTA)/ FIRE PROTECTION PUBLICATIONS (Training Manuals):

Fire Inspection and Code Enforcement, 6th ed., 1998.  
Essentials of Firefighting and Fire Department Operations, 5th ed., 2008.  
Introduction to Fire Origin and Cause, 3rd ed., 2005.

KIRK'S FIRE INVESTIGATION, Brady, A Prentice-Hall Division, Englewood Cliffs, New Jersey, 07632, 5th ed., 2002.

#### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PUBLICATIONS AND STANDARDS:

FIRE PROTECTION HANDBOOK, NFPA, 19th ed., 2003.

NFPA INSPECTION MANUAL, NFPA, 7th ed., 1994.

#### OTHER RECOMMENDED PUBLICATIONS:

EFFECTIVE SUPERVISORY PRACTICES, International City Management Association (ICMA), 1120 G Street, N.W., Washington, D.C. 20005, 4th ed., 2005.

**NOTE: Obtain through LSU Firemen Training Program or IFSTA Fire Protection Publications.**

The local civil service board should make this study guide available to all applicants in whatever manner the board deems appropriate.

While there are no provisions requiring this office to provide study guides for any competitive or promotional examinations, such material will be provided as a service to assist applicants in preparing for an examination. The State Examiner's office has no control whatsoever over the local availability of reference material (mentioned in the study guides), nor do we feel constrained to limit examination questions to only that material which is available locally. Examination content, weighting of subject areas, and length of examination, may vary with each administration of an examination to reflect any updated job analysis information. Percentages and numerical estimations are provided as approximations.